	Maximum allowable relief valve setting for			Ca	argo vent systems	
	cargo tanks ≤ 10 psig (69 kPa)			•	Pressure relief systems 46 CFR 154.80	1
	 Liquid and vapor connections Shutoff valves located as close to tank as possible 	46 CFR 154.530			Tank volume ≤ 20 cubic meters and has at least one pressure relief valve	
	 Capable of local manual operation At least one remotely controlled quick-closing shutoff valve 				Tank volume > 20 cubic meters and had at least two pressure relief valves of same capacity	
	 Quick-closing valve emergency shutdown Closes all valves Two remote locations 	46 CFR 154.540			 Tank MARVS	
	Fusible elementsAutomatic shutdown of cargo pumps and compressors	46 CFR 154.534		•	 Properly sealed No stop valves unless interlocked Vacuum protection (method for testing either of the 46 CFR 154.80. 	4
	Quick-closing valve requirementsFail close	46 CFR 154.544			following) – 2 independent pressure switches	
	Local manual closingWitness test (< 30 seconds)Time to close				 1 to operate audible and visual alarms set at 80% in cargo control room and in wheelhouse 	
	Maximum allowable relief valve setting for cargo tanks > 10 psig (69 kPa)				 1 to automatically shut off liquid or vapor suction Vacuum relief valve 	
	 Shutoff valves located as close to tank as possible Capable of local manual operation At least one remotely controlled quick-closing 	46 CFR 154.532			Adequate gas flow capacitySet to openAdmits inert gas, vapor, or air	
	shutoff valveWitness test (< 30 seconds)Time to close			•	Vent masts 46 CFR 154.80. - Discharge vertically upward - Proper weather hood	5
	If piping is less than 2 inches (50 mm) Excess flow valve	46 CFR 154.532(b)			 Proper screen (last serviced / replaced) Height above weather deck (> B/3 or 6 meters / 19.7 feet) 	
	 Closes automatically OR 	46 CFR 154.546			 Height above working level (6 meters /19.7 feet) Adequate distance from air takes to 	
_	One valve that is capable of local manual operations and meets 46 CFR 154.540 and 154.544				accommodation and other gas-free spaces > 10 meters	
	Cargo hose	46 CFR 154.556				
	Marking Hydrostatic test date	46 CFR 154.562				
Note	s:		Note			
			14016			

	Toxic vapor detectors	46 CFR 153.526		Firefighting	
	 Vapor detector 1 fixed 1 portable Witness calibration General safety Entry into spaces Opening of tanks 	46 CFR 153.934 46 CFR 153.935		 Areas protected Discharge Nozzles Pipes, fittings, and valves 	16 CFR 154.1105 16 CFR 154.1110 16 CFR 154.1115 16 CFR 154.1120 16 CFR 154.1125 16 CFR 154.1135
	 Storage of cargo samples Vapor Control System (VCS) Vessel in not using a VCS Vessel is using a VCS LOC endorsed for VCS use Complies with 33 CFR 156.120(aa) and 156.170(g) 	46 CFR 153.935(a) 46 CFR 156.120(aa) 46 CFR 39.10-13(d)		Cargo capacity < 1,000 cubic meters (35,300 cubic feet)—at least 1 self- contained unit Cargo capacity ≥ 1,000 cubic meters (35,300 cubic feet)—at least 2 self- contained units Date last serviced	46 CFR 154.1145
	Cargo transfer procedures Signals Red flag Red light Warning signs Minimum of two Legends "Warning" "Dangerous Cargo" "No Visitors" "No Smoking" "No Open Lights"	46 CFR 153.953 46 CFR 153.955		 Cargo areas and pipelines At least 2 hand hose lines OR At least 1 hand hose line and 1 monitor After end of cargo areas At least 1 storage unit AND Hand hose line or monitor Each cargo manifold At least 1 monitor 	16 CFR 154.1150
Note	 Lettering Person-in-charge Valid document Designated by master Speaks English or has interpreter Approval to begin transfer Cargo hose Marked in accordance with 46 CFR 153.940 Working pressure Date of last pressure test<1 year Temperature range 	46 CFR 153.957 33 CFR 155.700 33 CFR 155.710 46 CFR 153.959 46 CFR 153.972	Note	Cargo area mechanical ventilation Fixed exhaust systems where required Exhaust system ducts where required Location of exhaust ducts Fixed supply systems where required Operational controls outside the ventilated space Electric ventilation motor location Ventilation impeller and housing materials Protective metal screen	46 CFR 154.1200

	Gauging system			Gas detection systems
	 Type Open Closed Vapor return connection High level alarm Means for sampling 	46 CFR 153.400 46 CFR 153.404		Gas detection for "I" OR "I" and "T" cargoes Fixed flammable gas detection system Sampling points where required Measures gas concentrations at least 0% to 200% of alarm concentrations Date last calibrated Span gas used 46 CFR 154.1345 47 CFR 154.1345 48 CFR 154.1345 49 CFR 154.1345 40 CFR 154.1345 40 CFR 154.1345 40 CFR 154.1345 40 CFR 154.1345
	Restricted Vapor-tight cover Lock open P/V valves or valved bypasses Sounding tube requirements Tank overflow control High level alarm Set point (< 97%) Witnessed operation test Visual / audible alarms at cargo control and open deck Marked "High Level Alarm" Cargo overflow alarm Independent of high level alarm Operates on loss of power Set point (< 100%) Witnessed test at tank Visual / audible alarms in containment area and cargo loading control Marked "Tank Overflow Alarm" Automatic shutdown system Independent of high level alarm Operates on loss of power Set point (< 100%) Set point (< 100%) Witnessed test at tank	46 CFR 153.406 46 CFR 153.407 46 CFR 153.408 46 CFR 153.409 46 CFR 153.408		Concentration Audible and visual alarms that are actuated— At 30% or less LEL For power failure For loss of gas sampling flow Sampling points monitored every 30 minutes or less Operable flow meter Witness operation and operational tests 2 portable detectors that each measure 0% to 100% LEL Gas detection for "T" OR "I" and "T" cargoes 2 portable detectors that each show TLV Fixed sampling tubes in each hold and interbarrier space Oxygen analyzer A6 CFR 154.1365 46 CFR 154.1360
Note	s:		Note	9S:

	Valves and handling equipment Manual stop	46 CFR 153.283	Section 5: Cargo Operations for Natural Gas (LNG) Carriers
	 Pump manifolds Emergency shutdown stations tested 	46 CFR 153.285 46 CFR 153.296	Vapor Control Systems:
	 Minimum of two Location Single actuator Properly marked 		Person-in-charge of transfer system 46 CFR 39.10-11 completed training program
	Actuator at cargo control	46 CFR 153.297	☐ VCS certification 46 CFR 39.10-13
	Cargo handling space ventilation		Marine Safety Center Letter No OR
	 Forced exhaust ventilation System standards Discharge 10 meters from accommodation / service spaces Operable from outside space 	46 CFR 153.310 46 CFR 153.312	 Approval from recognized class society addressing the following items: Vessel name Class of vessel or official number Call sign
	 Air exchange rate 30 times per hour Exhaust above and below deck places 		 Flag Reviewed by proper authority to meet U.S. 46 CFR Part 39 standard
	 Special ventilation rate Rate for certain cargoes (45 times per hour and no less than 4 meters above deck) 	46 CFR 153.316	 Inert gas manual amended 46 CFR 32.53-85(b) Proper allowable transfer rate (cubic meters / hour) Applicable cargo tanks
	Pumprooms NOTE: If pumproom is not gas-free, issue requirement to make it available at next U.S. port.	MSM Vol. I Ch.10 Appendix A MSM Vol. II A5.H	 Applicable cargo tanks Maximum density of cargo vapor List of cargoes (proper cargo names) Oil transfer procedures amended 33 CFR 155.750(d)
Note	 Marine Chemist Certificate Chemist No. Certificate No. Date issued Ventilation Hoisting arrangement Pump discharge pressure gauge Bilge pumping system Witness operation and alarm Fire extinguishing system Electrical installation Special requirements 	46 CFR 153.330 SOLAS 74/78 II-2/59.3 46 CFR 153.332 46 CFR 153.333 46 CFR 153.334 SOLAS 74/78 II-2/63 46 CFR 153.336	VCS Design and Equipment: NOTE: Requirements for VCS design and equipment are detailed in 46 CFR 39.20-1. □ Piping permanently installed
Note	98:		Notes:
-			
-			
			-

	SOLAS 74/78 II-1/29	Cargo Gauging System:	
 Linkages Hydraulic leaks Ram guides Lubrication Operationally test main and auxiliary steering gear 		 Closed gauging system Independent of overfill alarm system Full range of measurement in each cargo tank Liquid level indicated where cargo transfer is controlled Unit installed on cargo tanks during entire transfer if 	46 CFR 39.20-3 46 CFR 151.15-10
 28-second operation Systems operate independently Unusual vibrations / leaks 		closed gauging system is portable Liquid Overfill Protection:	
Ram huntingLimit switchesCommunications with bridge		NOTE: Requirements for liquid overfill protection are detailed in 4 Overfill system	16 CFR 39.20-7.
 Steering gear instructions (block diagram) Main ship service generators NOTE: Two independent sources of power require. 	SOLAS 74/78 II-1/41	 Provides an alarm upon loss of power or electrical circuitry failure Audible and visual alarm on deck and where cargo transfer is controlled Capable of being tested at the tank or have a 	
F/O pipingCooling linesControls		 Properly marked on deck Operationally tested and demonstrated 	
 Emergency generator room Test operation of prime mover Personnel safety Ventilation adequate Electrical switchboard Grounds 	SOLAS 74/78 II-1/43	 High-level alarm Independent of overfill system Provides an alarm upon loss of power or electrical circuitry failure Audible and visual alarm on deck and where cargo transfer is controlled 	
Bilge pumpsTwo required	SOLAS 74/78 II-1/21	 Capable of being tested at the tank or have a electronic self-testing feature Alarm sounds not higher than overfill alarm and at no lower than 95% of tank capacity Operationally tested and demonstrated 	
		☐ Spill valves	46 CFR 39.20-9(c)
		☐ Rupture disks	46 CFR 39.20-9(d)
lotes:		Notes:	

	International shore connection	SOLAS 74/78 II-2/19	☐ Low pressure alarm
	Means of escape from accommodation, machinery, and other spaces	SOLAS 74/78 II-2/45	Audible and visual alarms where cargo transfer is controlled
	Two required (some exceptions)Dead end corridors		 Activates no less than 0.144 for an inerted tankship or no less than the lowest P/V valve vacuum setting
	Portable fire extinguishers (spot-check)		Operations:
	Good condition / available for immediate useLocated on stations	SOLAS 74/78 II-2/21	NOTE: Requirements for operations are detailed in 46 CFR 39.30-1.
^	Serviced at periodic intervals	SOLAS 74/78 II-2/6.5	☐ Pressure drops
\Diamond	 Test operation of fire main system Required number of fire pumps Location of pumps Pumps, hydrants, piping, hoses, and nozzles in 	SOLAS 74/78 II-2/3 SOLAS 74/78 II-2/4 SOLAS 74/78 II-2/21	Determined through VCS from most remote cargo tank to the connection Determined for all cargoes at maximum transfer rates and at lessor transfer rates
	good condition and available for immediate use	00LA0 14/10 11 2/21	Determined through vapor hoses, if carried
\Diamond	Structural fire protection (spot-check)	SOLAS 74/78 II-2/42	☐ Cargo tanks properly filled
	BulkheadsInsulationVentilationPenetrations		 Less than 98.5% of tank capacity OR Less than overfill setting
\Diamond	Fixed fire extinguishing systems: cargo, machinery, and other spaces	SOLAS 74/78 II-2/21	 High-level and overfill alarms been tested within 24 hours prior to loading cargo
	 Tanks, cylinders, piping, controls, alarms, and release mechanisms in good condition and available for immediate use 		Operationally test and demonstrate remote operated valves
	Type of system: (circle appropriate type)		 Operationally test and demonstrate emergency shutdowns
	Low Pressure CO ₂ High Pressure CO ₂ Halon Foam		
<u>Pol</u>	lution Prevention: (spot-check at reex	aminations)	
	Pollution placard posted	33 CFR 155.450	
	MARPOL V placard posted	33 CFR 151.59 MARPOL Ax. V/9	
Note	S:		Notes:
		<u> </u>	
			-

	Davit system	SOLAS 74/78 III/19.2	☐ Fuel lines	46 CFR 154.706
	 Structure and foundation Roller tracks Lubrication (evidence of use) Falls; end for end / renew (2.5 / 5 years) No obstructions to lowering 	SOLAS 74/78 III/48	 Master valve Double-walled fuel line Annular space inerted Pressure in annular space greater than gas pressure 	
	Embarkation areaNo obstructions	SOLAS 74/78 III/11.7	 Visual and audible alarms in machinery space to indicate loss of inert gas pressure Termination 	46 CFR 154.707(a)
	Embarkation ladderLaunching instructionsEmergency lighting	SOLAS 74/78 III/9	Single-walled fuel line Installed in mechanically exhaust- ventilated duct or pipe	(,
	Liferafts Required number Stowage	SOLAS 74/78 III/19 SOLAS 74/78 III/26 SOLAS 74/78 III/29	Ventilation (30 changes of air / hour) Pressure in space between inner and outer pipe < atmospheric pressure Continuous gas detection	46 CFR 154.1205
	 Float-free arrangement Hydrostatic release / weak link Annual servicing (hydrostatic release and inflatable liferaft) Maximum 17 months 	SOLAS 74/78 III/19.8.1 SOLAS 74/78 III/19.9.1	 Termination hood or casing Valves 2 fail-closed valves 	46 CFR 154.707(a) 46 CFR 154.708
	 Launching instructions posted Bow / stern station Lashed down on deck or in marked location Lifejackets available 	SOLAS 74/78 III/9	 1 fail-open valve for venting Automatic operation for— Loss of boiler forced draft Flame failure Abnormal fuel supply pressure 	
	Lifebuoys (spot-check) Condition Bridge location Quick release system Smoke and light float Deck location	SOLAS 74/78 III/19.2 SOLAS 74/78 III/7.1	 Master gas fuel valve outside machinery space Operable from machinery space and at valve Automatic closure for— Gas leak Loss of ventilation Loss of inert gas pressure 	
	50% with waterlightsRetro-reflective tape	SOLAS 74/78 III/30.2.7	 Gas detection equipment Audible and visual alarm in machinery control station and wheelhouse Closes master gas fuel valve 	46 CFR 154.709 46 CFR 154.1350
Note	S:		Notes:	

	Safe access to tanker bows (vessels built prior to 1 JUL 98 not required to comply until 1 JUL 2001)	SOLAS 74/78 II-1/3-3
Stru	<u>ıctural Integrity</u>	
deper vasta	: Request records of Outstanding Conditions of Class. (For Iding on classification society.) Conditions of Class may iden ge, etc. Conditions may also identify ships overdue for drydo ed service.	tify structural defects,
	Hull structure	ICLL 66 Reg. 1
	 Frame pulling away Fractures in corners Holes in main decks Leaks / patching on ballast tanks Bulkheads / decks warped Excessive wastage 	
	Side shell, accessible structural members, decks, and superstructure	ICLL 66 Reg. 1
	 Fractures, corrosion, wastage, pitting or damage to the extent that it may impair ship's seaworthiness Excessive doublers, postage stamp inserts, cement boxes or soft patches Welding burn marks or other evidence of recent repair work 	
	 Load line marked in accordance with certificates Hailing port Name Railings 	ICLL 66 Regs. 4 - 9
	Watertight/weathertight openings	
	 Watertight doors, gaskets, dogs Other openings (means of securing) Vents, air pipes and closing appliances 	ICLL 66 Reg. 12 ICLL 66 Regs. 13 - 18 ICLL 66 Regs. 19 & 20
Note	s:	

♦ Abandon Ship Drill:

General alarms / signals	Familiarity with duties	Boat operation	
Muster lists	Provide equipment	Egress procedures	
Muster of crew	Familiarity with equipment	Davit-launched liferaft drill	
Crew response	Lower lifeboat	Communication w/ bridge	
Language understood by crew	Brake operation	Lighting	
Lifejackets	Engine start		
(SOLAS 74/78 III/18.3; MSM Vo	I. II/D5.C.7.h)		
Location:	Time	to Water:	
Notes:			

 Indicators Illuminated rudder angle ir Centerline RPM indicator Propeller pitch (CPP syste Speed and distance indication Lateral thrusters 	ms)	O	Company's training program conducted in accordance with STCW NOTE: Documented procedures established to ensure new personnel and personnel transferred to new assignments are given proper familiarization with their duties. • Proper documentation	STCW I/14
☐ Communications• VHF radio☐ Steering gear instructions	SOLAS 74/78 IV/6.3 33 CFR 26.03 33 CFR 164.35		 Training conducted before crew is assigned shipboard duties Essential instructions are documented and provided before sailing 	
 Instructions Emergency instructions Block diagram Maneuvering facts sheet statement 	-	O	Ship's officers Documented procedures Preventative procedures for essential equipment Reporting requirements for non-conformities and able to identify typical scenarios that may result in a documented non-conformity	
☐ Radiotelephone (VHF-FN☐ EPIRB (406 MHz)	SOLAS 74/78 IV/7 33 CFR 26.03 33 CFR 26.04 SOLAS 74/78 IV/7.1		 Master and chief engineer familiar with internal audit procedures (e.g., know how many audits required per year and have participated in at least one) in addition to requirement's for ship's officers 	
 Float-free amount Battery date current Hydrostatic release GMDSS Additional radio equipmen 	SOLAS 74/78 IV/8		Documented maintenance system Documented in writing and computerized versions Readily available and in language understood by those who use them Procedures are followed Records maintained Vessel-specific procedures are documented	
Operationally test bridge Test power/control pumps Test follow-up and non-fol Rudder angle indicator acc Activate loss of power alar GMDSS lifeboat radios (\) 3 if over 500 GT Operable condition Notes:	independently ow-up controls curate m	9	in writing and address the following areas: NOTE: Not mandatory that they follow the exact format listed below. Preventative maintenance Navigation Bunkering operations Emergency preparedness Pollution prevention Technical procedures Communications	
		Not		

Ш	Approved Procedures & Arrangement Manual	MARPOL Ax. II	O	Lights, shapes, and sound signals	72 COLREGS
	Cargo record bookProper formatProperly completed	MARPOL Ax. II/19		Navigation lightsSound signalsDistress signals	
	Cargo information	46 CFR 153.907	0	Radio log	SOLAS 74/78 IV/17
	Cargo manifestProcedures for spills / leaks		0	Radio operation	SOLAS 74/78 IV/7
	Cargo location plan	46 CFR 153.907	<u> </u>	• Transmit on 2182 MHz and Ch. 6, 13, 16, 70	
	Cargo compatibility	46 CFR Part 150	0	INMARSAT communications	SOLAS 74/78 IV/7.1.5
	Cargo piping plan	46 CFR 153.910			
	Shipping document	46 CFR 153.907	<u>Ca</u>	rgo Operations:	
	Waiver letters carried	46 CFR 153.10	0	Human Factors: determine if personnel are familiar with the following items:	STCW Table A-II/III
	Name and concentration Name and concentration Date added to cargo Length of time effective Temperature limitations Certificate states action to be taken if voyage exceeds useful life of the inhibitor / stabilizer	46 CFR 153.912	<u>Lif</u>	 Special requirements (e.g., loading, segregation, firefighting equipment, etc.) for particular cargoes Dangers posed by the cargo Measures to be taken for cargo emergencies esaving Equipment:	
	Current copy of 46 CFR Parts 35, 150, and 153 aboard	46 CFR 153.905	0	Lifeboats/liferafts/rescue boats	
	153 aboard			 Ensure effective operation of winches, davits, falls, sheaves, etc. (Lower at least one lifeboat to the water.) Test lifeboat and rescue boat flemming gear and/or engines 	SOLAS 74/78 III/19
				 Verify presence/condition of lifeboat equipment Retro-reflective tape 	SOLAS 74/78 III/41
				• Lighting	SOLAS 74/78 III/11.4
	_		NI-4		
Notes	:		NOT	es:	

Mar	Manning:		0	Paint lockers and flammable liquid lockers	SOLAS 74/78 II-2/18.7
	Officers' licenses current	STCW 95 I/2 STCW 95 I/10 STCW 95 VI/1 STCW 95 VI/2	0	protected by an appropriate fire extinguishing arrangement Fixed fire extinguishing arrangements in	SOLAS 74/78 II-2/53.1
	Rest periods Review watch schedules	STCW 95 VIII/1	0	cargo spaces for vessels ≥ 2000 GT Special arrangements in machinery spaces	SOLAS 74/78 II-2/11
<u>Log</u>	 s and Manuals: Lifesaving equipment maintenance record Periodic checks as required Visual inspection of survival craft / rescue boat and 	SOLAS 74/78 III/19		 Machinery space ventilating fans can be shut down from outside spaces All openings capable of being closed from outside machinery spaces Machinery driving forced / induced draft fans, oil fuel transfer pumps, and other fuel pumps fitted with remote shutdowns located outside space concerned 	
	Idunching appliances Operation of lifeboat / rescue boat engines Lifesaving appliances, including lifeboat equipment examined Emergency training and drills Onboard training in use of lifesaving equipment (all crew members) SOLAS training manual Logbook records	SOLAS 74/78 III/18 SOLAS 74/78 III/18.5	0	Firemen's outfits (spot-check) Two lockers Four outfits Protective clothing Helmet, boots, and gloves Lamp Axe Breathing apparatus and lifeline	SOLAS 74/78 II-2/17.3
	 Weekly and lifeboat drills Bridge log 	SOLAS 74/78 III/25 STCW 95 I/14		lution Prevention:	
	 Pre-arrival tests conducted Casualties (navigation equipment and steering gear failures reported) Steering gear drills Emergency steering drills 	33 CFR 164.25 33 CFR 164.53	0	 Test automatic stopping device required for discharge Segregation of oil fuel and water ballast systems Oily residue tank (discharge arrangements, 	MARPOL Ax. I/10 MARPOL Ax. I/14 MARPOL Ax. I/17
	Exemptions to SOLAS certificates	SOLAS 74/78 I/4		homogenizers, incinerators, etc.) • Witness operational test of emergency shutdown	33 CFR 155.780
Notes	:		Note	PS:	

Section 2: Certificates and Documents

International Certificates:

Name of Certificate	Issuing Agency	# <u>O</u> I	Port Issued	Issue Date	Exp. Date	Endors. Date
Certificate of Documentation No Change	nsce					
Classification Document No Change						
Certificate of Financial Responsibility (COFR) No Change	USCG					
Safety Construction (SLC) No Change						
Safety Equipment (SLE) No Change						
Safety Radio (SLT) No Change						
International Load Line (ILL) No Change						

0	Steering gear alarms	SOLAS 74/78 II-1/29
	Low hydraulic oilLoss of powerLoss of phraseOverload	
0	Human Factors: determine if personnel are familiar with the operation of the following items • Emergency generator: - Actions necessary before engine can be started	STCW Table A-III
	 Different methods by which generator may be started Stand-by generator engine: Methods to start engine automatically or manually Blackout procedures Load-sharing system 	
	Steering gear: Action needed to bring main and auxiliary into operation Changing steering from automatic to manual and vice versa	
	 Bilge pumps: Starting procedures for main and emergency bilge pump Appropriate valves to operate 	
	 Fire pumps: Starting procedures for main and emergency fire pumps Appropriate valves to operate 	
Note	os:	

Involved Parties & General Information:

Vessel's Representatives	
Phone Numbers	
Owner—Listed on DOC or COFR	
No Change	
Operator	
No Change	

2

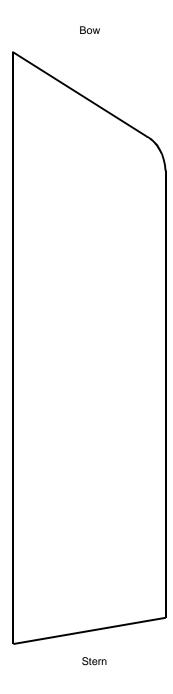
O Proper operation of IGS audible and visual alarms

- High O₂ content of gas in IGS main
 - Activated at 8% concentration
- Low gas pressure in IGS main downstream of all non-return devices
 - Activated at 100mm (4 inches) water
- High gas pressure in IGS main downstream of all non-return devices
 - Blowers automatically shut down
 - Gas-regulating valves close
- Low / high water level or low flow to deck seal
 - Blowers automatically shut down
- Blowers discharge high temperature
 - Alarms activated at 150°F (65.6°C) or lower
 - Blowers automatically shut down
 - Gas-regulating valves close
- Failure of IGS blowers
 - Gas-regulating valves close
- Low water pressure or flow to flue gas scrubber
 - Blowers automatically shut down
 - Gas-regulating valves close
- High water level in flue gas scrubber
 - Blowers automatically shut down
 - Gas-regulating valves close
- Failure of power supply to automatic control system for gas-regulation valve and indicating devices for IG supply
- IG generator
 - Insufficient fuel supply
 - Failure of power supply to generator or control system for generator

Notes:	 	 	

Section 7: Expanded Examination Items

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Pre-inspection Items

- Review vessel computer (survey status) reports from the ACP class society.
- Review reports pertaining to conditions of class or statutory deficiencies
- Obtain copies of forms or certificates to be issued.

Post-inspection Items

- Issue forms/certificates to vessel.
- Update MSIS with international certificate data.
 - VFOD MSDS
 - VFLD MIDR
 - MIAR
- Initiate Report of Violation (ROV) if necessary

Recommended ACP Vessel Deficiency Procedures:

guidance in the tables below.

Step	Action
1	Identify deficiency.
2	Inform vessel representative.
3	Record on the <i>Deficiency Summary Worksheet</i> (next page).
4	If deficiency is corrected prior to end of exam, go to Step 7.
5	If deficiency is unable to be corrected prior to end of exam, follow

TABLE 1: Minor deficiency discovered by Coast Guard marine inspector*

Step	Action
1	Notify ACP class surveyor-in-charge.
2	If ACP class surveyor issues an OSR, go to Step 7.
3	If ACP class surveyor is not available, issue CG-835 to vessel with copy sent to ACP class surveyor-incharge. Go to Step 6.

TABLE 2: Major deficiency that poses a direct and immediate threat to vessel's crew, safety of navigation, or marine environment*

Step	Action
1	Notify ACP class surveyor-in-charge of deficiency.
2	Ascertain proposed corrective action.
3	Detain vessel if so determined by OCMI under SOLAS I/19 or MARPOL Article 5.

* NOTE: Deficiencies shall indicate the item must be completed to the satisfaction of either the OCMI or ACP class society. The OCMI may deny or revoke the COI for noncompliance with the terms and/or conditions of the deficiencies.

- 6 Enter CG-835 data in MIDR.
- 7 Enter deficiency data in MSDS.
- 8 Initiate Report of Violation (ROV) if necessary.

Total Time Spent Per Activity:

Regular Personnel (Active Duty)					
ACTIVITY TYPE	ACTIVITY	TRAINING	(PERS) MI		

TOTAL ADMIN HOURS	TOTAL TRAVEL HOURS

	Reserve Personnel				
ACTIVITY TYPE	ACTIVITY	TRAINING	(PERS) MI		

TOTAL ADMIN HOURS	TOTAL TRAVEL HOURS
-------------------	--------------------

Auxiliary Resources					
TOTAL BOAT HOURS	TOTAL AIRCRAFT HOURS				

Conversions:

Distance and Energy								
Kilowatts (kW)	X	1.34	1 =	Horsepower	(hp)			
Feet (ft)	Х	3.28	s1 =	Meters (m)				
Long Ton (LT)	Х	.984	21 =	Metric Ton (t))			
Liquid (NOTE: Values are approximate.)								
Liquid	bbl/LT	•	m³/t	bbl/m ³		bbl/t		
Freshwater	6.40		1.00	6.29		6.29		
Saltwater	6.24		.975	6.13		5.98		
Heavy Oil	6.77		1.06	6.66		7.06		
DFM	6.60		1.19	7.48		8.91		
Lube Oil	7.66		1.20	7.54		9.05		
Weight								
1 Long Ton =	2240 lbs		1 Metric Tor	n = 2204 lbs	6			
1 Short Ton =	2000 lbs		1 Cubic Foo	t = 7.48 gal				
1 Barrel (oil) =	5.61 ft = 42 ga 6.29 m^3	al =	1 psi	= .06895 I of water		: 2.3106 ft		
Temperature : Fahrenheit = Celsius (°F = 9/5 °C + 32 and °C = 5/9 (°F - 32))								
0 = -17.	8 8	30 =	26.7	200	=	93.3		
32 = 0	9	90 =	32.2	250	=	121.1		
40 = 4.4	10	00 =	37.8	300	=	148.9		
50 = 10.	0 1	10 =	43.3	400	=	204.4		
60 = 15.	6 12	20 =	48.9	500	=	260		
70 = 21.	1 15	50 =	65.6	1000	=	537.8		
Pressure: Bars = Pounds per square inch								
1 Bar = 14	.5 psi 5 E	Bars =	72.5 psi	9 Bars	=	130.5 psi		
2 bars = 29	.0 psi 6 E	Bars =	87.0 psi	10 Bars	=	145.0 psi		
3 Bars = 43	.5 psi 7 E	Bars =	101.5 psi					
4 Bars = 58	.0 psi 8 E	Bars =	116.0 psi					